



Agromet Advisory Service Bulletin for Thane and Palghar District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
(02358) 282387



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Duration – 5 days

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Significant past weather for the preceding week (Period –27/02/2019 to 05/03/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 10/03/2019				
27/02	28/02	01/03	02/03	03/03	04/03	05/03		06/03	07/03	08/03	09/03	10/03
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	0	0	0	0	0
29.0	29.0	32.0	30.4	30.8	31.0	-	Maximum temperature (°C)	29	29	30	32	32
16.0	17.4	15.4	15.6	18.4	19.0	-	Minimum temperature (°C)	20	19	20	21	22
0	0	0	0	0	0	-	Cloud cover (Octa)	1	0	0	2	0
87	82	57	62	90	86	-	Relative Humidity Max. (%)	73	59	46	42	48
51	25	-	50	48	58	-	Relative Humidity Min. (%)	44	34	27	22	24
3.1	3.6	5.3	2.8	3.0	3.0	-	Wind speed (Km/hr)	6	6	8	5	5
Calm	NNE	Calm	ESE	Calm	SW	-	Wind direction	249	227	94	181	111
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2019 to till dated			Total Rainfall (mm) in last year			
0.0						0.0			2359.6			

Agro-met Advisory

There will be increase in maximum temperature from 06th to 10th March, 2019. Wind velocity range 5 to 8 from 6th to 10th march, 2019

Crop	Stage	Agro Advise
Summer rice	Tillering	<ul style="list-style-type: none"> Carry out weeding operation and apply 2nd dose of nitrogen 40 kg ha⁻¹ (Urea 87 kg ha⁻¹) to rice crop at time of tillering. Maintain optimum water level of 5-10 cm in rice field.
Groundnut	Pegging	<ul style="list-style-type: none"> Due to increasing rate of evaporation irrigate the groundnut crop at an interval of 8-10 days. For control of weeds in groundnut crop perform weeding operation.
Mango	Flowering and Fruiting	<ul style="list-style-type: none"> Due to variation in temperature there is possibility of fruit drop of mango hence, provide irrigation for alphonso mango @ 150 to 200 lit. of water at fortnight interval for 3 to 4 times to reduce fruit drop and increase the size of fruits. Also use straw mulch to reduce evaporation. For increasing the production and quality of fruits of mango, spray 1 % Potassium nitrate at pea stage, marble stage and arecanut size fruit stage. Provide support to newly planted mango graft, as there is forecast of high wind velocity.
Coconut	-	<ul style="list-style-type: none"> Due to increase in maximum temperature, provide irrigation to coconut orchard at 8-10 days interval.
Sapota	Fruiting	<ul style="list-style-type: none"> Due to increase in maximum temperature, provide irrigation to sapota orchard at 8-10 days interval also use straw mulch to reduce evaporation. There is possibility for incidence of budworm in sapota, if incidence is notice spray any one of the insecticide viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamehtrin 2.8%EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40%EC @ 10 ml per 10 liter of water, three spray at an interval of one month i.e. in month of March, April and May. Install blue light trap for monitoring insect.
Banana	-	<ul style="list-style-type: none"> Due to increase in maximum temperature, provide irrigation to banana orchard at 7-8 days interval and use straw mulch to reduce evaporation. Provide support to newly planted banana orchard, as there is forecast of high wind velocity.
Flower crop	Flowering	<ul style="list-style-type: none"> Carry out harvesting of the fully develop mogra flower during morning hours.
Vegetables/ Fruit crop nursery	Fruiting	<ul style="list-style-type: none"> If the incidence of aphids, leaf hoppers, leaf eating caterpillars, leaf miner is noticed on tomato, brinjal, chilli etc. vegetable crops, spray malathion 20 ml or Dimethoate 15 ml per 10 liters of water at 10 to 15 days interval. Provide irrigation to fruit crop nursery, vegetable crops.
Milch animal /goat/poultry	-	<ul style="list-style-type: none"> Provide clean and hygienic drinking water to farm animals. The temperatures during day are increasing hence protect poultry birds from heat.

This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of "Gramin Krishi Mausam Sewa (GKMS)" Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.

For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.